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Date: August 10, 2009

Patent 0-06-119 (18268/US/03)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor: Cohen  
Serial no.: 10/581,848  
Filed: January 8, 2007  
Title: Pulse-Medium Perfusion Bioreactor with Improved Mass Transport for Multiple-3-D Cell Constructs  
Examiner: James S. Ketter  
Art Unit: 1636  
Confirmation: 3923

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir/Madam:

Confirmation of Telephone Conference and Amendment

This response is in reply to the telephone conference with the examiner on Friday, August 7, 2009.

During the telephone conference, the examiner suggested that if claims 28, 30, 31 and 37 were amended as set forth below, then the examiner believes these claims would be allowable - pending the final approval of the Supervising Primary Examiner. The proposed amendments are as follows:

28. (Currently amended) The method according to claim 27, further comprising:

e. removing a sample of said medium from said reservoir after step c and before step d, in order to determine whether said medium should be replaced with new medium;

f. adding fresh medium to said reservoir when necessary, after optional step e and before step d.

30. (Currently amended) The method according to claim 29 wherein said polymer is a polysaccharide, ~~preferably alginate~~.

31. (Currently amended) The method according to claim 29, wherein said cells are human cells, ~~preferably~~  
cardiomyocytes.

37. (Currently amended) The ~~net~~  
bioreactor according to claim 21, wherein any of said fluid distributor meshes comprise pores whose diameter is 2 mm.

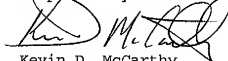
Applicant has instructed us to accept these amendments and in addition, add two more dependent claims wherein the antecedent basis is found in the specification and claims 30 and 31:

38. (new) The method according to claim 30 wherein the polysaccharide is alginate.

39. (new) The method according to claim 31 wherein the human cells are cardiomyocytes.

In view of these amendments and responses, the claims are in condition for allowance and it is respectfully requested that this application be allowed.

Respectfully submitted



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